

L5 ANSWER 1 OF 1 CA COPYRIGHT 2009 ACS on STN
 AN 136:298640 CA
 ED Entered STN: 02 May 2002
 TI Properties of concrete containing shrinkage-reducing agent
 AU Hyodo, Hikotsugu; Tanimura, Makoto; Nakamura, Hidemi; Ishimori, Masaki
 CS Construct. Eng. Group, Cent. Res. Dev. Cent., Taiheiyo Cement Corp.,
 Chiba, 285-8655, Japan
 SO Taiheiyo Semento Kenkyu Hokoku (2001), 141, 21-27
 CODEN: TKHOFN; ISSN: 1344-8773
 PB Taiheiyo Semento K.K., Kenkyu Honbu
 DT Journal
 LA Japanese
 CC 58-2 (Cement, Concrete, and Related Building Materials)
 AB The control of drying shrinkage in concrete as well as autogenous
 shrinkage in high-strength concrete is an important issue to avoid
 cracking and improve durability of concrete structures.
 The effect of shrinkage-reducing agent (Tetraguard AS21), which
 was in use since 1996, on various properties of concrete, such
 as drying/autogenous shrinkage, setting time, compressive strength and
 adiabatic temperature rise was studied. The concrete mixts. studied in this
 study were proportioned with a water/cement ratio of 0.30-0.55.
 ST concrete shrinkage setting strength temp rise shrinkage reducing agent
 IT Compressive strength
 Concrete
 Hydration, chemical
 (effect of shrinkage-reducing agent on shrinkage, setting, compressive
 strength and adiabatic temperature rising of concrete)
 IT Hardening (mechanical)
 (setting; effect of shrinkage-reducing agent on shrinkage, setting,
 compressive strength and adiabatic temperature rising of concrete)
 IT 187112-08-9, Tetraguard AS21
 RL: TEM (Technical or engineered material use); USES (Uses)
 (effect of shrinkage-reducing agent on shrinkage, setting, compressive
 strength and adiabatic temperature rising of concrete)